

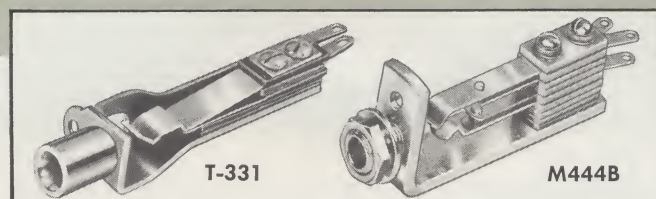
## CATALOG NO. J-103

### TELEPHONE-TYPE JACKS

|               |           |                   |        |
|---------------|-----------|-------------------|--------|
| "T-JAX"       | PAGE 1    | "DUMMY PLUGS"     | PAGE 4 |
| "M-JAX"       | PAGE 1    | "LAMP JAX"        | PAGE 5 |
| "MT-JAX"      | PAGE 2    | "TWIN-JAX"        | PAGE 5 |
| "JACK PANELS" | PAGE 3, 4 | "DUAL JACK BLOCK" | PAGE 6 |

"JACK PANEL ACCESSORIES" PAGE 6

Available at all leading Electronic and Radio Parts Jobbers



"T-JAX"

| SCHEMATIC CIRCUIT | DIM. "X" (MAX.) | MIL. TYPE NO.                      | U.S.A. LIST PRICE | PART NO. |
|-------------------|-----------------|------------------------------------|-------------------|----------|
|                   | 7/16"           | FOR MIL. EQUIVALENTS<br>SEE PAGE 2 | \$1.05            | T-331    |
|                   | 1/2"            |                                    | \$1.20            | T-332A   |
|                   | 9/16"           |                                    | \$1.20            | T-332B   |
|                   | 1 1/32"         |                                    | \$1.45            | T-332C   |
|                   | 1 1/32"         |                                    | 1.35              | T-333    |
|                   | 5/8"            |                                    | \$1.50            | T-334A   |
|                   | 5/8"            |                                    | \$1.60            | T-334B   |
|                   | 5/8"            |                                    | \$1.50            | T-334C   |
|                   | 5/8"            |                                    | 1.50              | T-334F   |
|                   | 5/8"            |                                    | 1.60              | T-335    |
|                   | 5/8"            |                                    | 1.75              | T-336    |

"M-JAX" Packed 5 per standard package.

|  |         |        |        |        |
|--|---------|--------|--------|--------|
|  | 1 3/16" |        | \$1.50 | M-441  |
|  | 7/8"    | JJ-107 | \$1.70 | M-442A |
|  | 1"      | JJ-105 | \$1.95 | M-443A |
|  | 7/8"    | JJ-106 | \$2.10 | M-443B |
|  | 1 5/16" | JJ-083 | \$2.30 | *M-444 |
|  | 1 5/16" | JJ-082 | \$2.20 | M-444B |
|  | 1 1/4"  | JJ-104 | \$2.75 | M-445  |
|  | 1 1/8"  | JJ-079 | \$3.50 | M-446  |
|  | 1 1/4"  | JJ-081 | \$3.90 | M-446A |

\*Bushing .2085"; to mate with plugs PJ-068 and PJ-309

#### "T-JAX" (TELEPHONE TYPE)

A long frame type, most commonly referred to as a Telephone Jack, designed especially for high quality communications equipment. The rugged steel frame, produced in specially designed dies, is press welded to provide the rigidity and dimensional stability so very important in Communications Jack Panels.

The Springs are produced in dies of our own design and are made of a special alloy of Nickel Silver insuring maximum spring life and corrosion resistance. Fine Silver contacts are standard in switching circuits; silver alloy or palladium contacts are also available — see MT-Jax.

Numerous circuits in this design are listed with type numbers in the National Military Establishment Specification MIL-J-641(A). For exact equivalents, see MT-Jax. These jacks feature welded cross-bar palladium contacts, finishes and insulations to meet the exacting requirements of the MIL-J-641(A) specification.

Available in two frame designs, namely "A" and "C" frames. Note drawing. Part numbers in chart cover "A" frames; for same circuit with "C" frame add prefix letter "C" to Part Number.

#### "M-JAX" (MILITARY TYPE)

A very heavy Long Frame Jack, usually referred to as the Navy Jack, designed especially for industrial equipment and to meet the critical requirements of the Military. A very heavy brass frame supports the long spring tempered Nickel Silver springs. Fine silver contacts between the switching circuits are standard. Only the most commonly used circuits are listed; more complex switching circuits are available on special order.

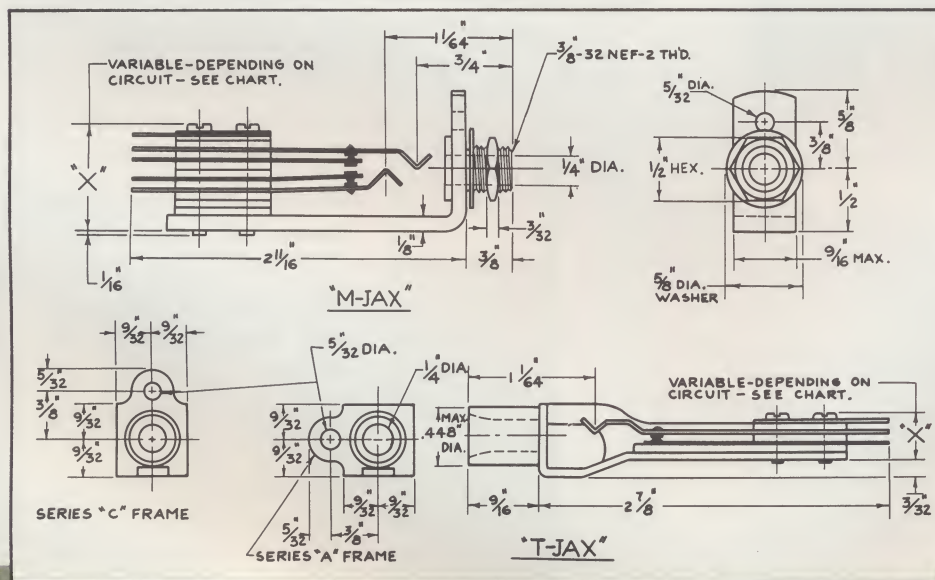
#### SPECIFICATIONS

FRAME: "T-JAX" — Steel, Cadmium Plated. "M-JAX" — Brass, Nickel Plated.

SPRINGS: Special alloy, spring tempered, Nickel Silver, with solder lugs hot tinned.

BUSHING: H. H. Brass, Bright Nickel Plated.

INSULATION: Type XXXP Paper Base Phenolic Spacers (Type PBE-P, per Mil-P-3115A). Hard rubber tubing through stack; M-Jax has bakelite tubing.



## SWITCHCRAFT, INC.

GENERAL OFFICES AND PLANT

5555 N. Elston Ave., Chicago, Illinois 60630, U.S.A.

Area Code 312 Tel.: 774-1515 TWX: 312 265-1314

Canadian Rep.: Atlas Radio Corp., Ltd., 50 Wingold Avenue, Toronto, Ontario, Canada

FOR  
DETAILS  
CONTACT



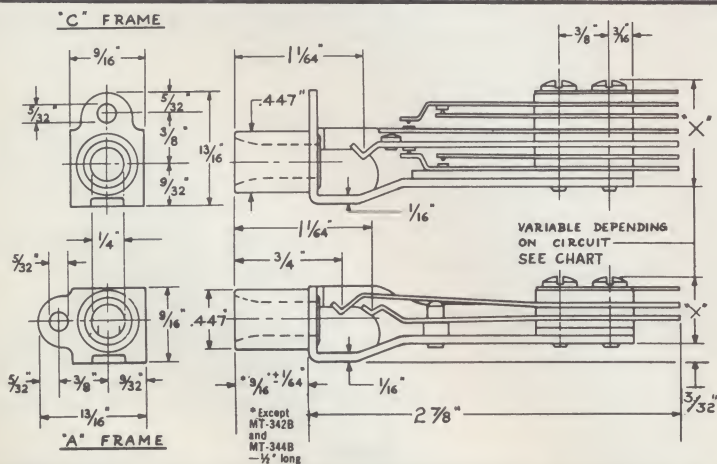


## "MT-JAX"

Available At All Leading Electronic  
and Radio Parts Jobbers

| SCHEMATIC<br>CIRCUIT | DIM.<br>"X"<br>(MAX.) | ADJUSTED<br>FOR<br>PLUG | MIL<br>TYPE<br>NO. | U.S.A.<br>LIST<br>PRICE | PART NO. |
|----------------------|-----------------------|-------------------------|--------------------|-------------------------|----------|
|                      | 7/16"                 | PJ-055                  | JJ-086             | \$1.50                  | MT-331   |
|                      | 1/2"                  | PJ-055                  | —                  | 1.70                    | MT-332   |
|                      | 1/2"                  | PJ-055                  | JJ-024             | 1.70                    | MT-332A  |
|                      | 9/16"                 | PJ-051                  | JJ-022             | 1.70                    | MT-332B  |
|                      | 9/16"                 | PJ-055                  | JJ-016             | 1.95                    | MT-332C  |
|                      | 5/8"                  | PJ-055                  | JJ-084             | 1.95                    | MT-333   |
|                      | 9/16"                 | PJ-051                  | —                  | 1.95                    | MT-333B  |
|                      | 5/8"                  | PJ-055                  | —                  | 1.95                    | MT-333E  |
|                      | 5/8"                  | PJ-055                  | —                  | 2.00                    | MT-334A  |
|                      | 5/8"                  | PJ-051                  | JJ-042             | 2.00                    | MT-334B  |
|                      | 5/8"                  | PJ-055                  | JJ-072             | 2.00                    | MT-334C  |
|                      | 5/8"                  | PJ-055                  | JJ-085             | 2.00                    | MT-334E  |
|                      | 5/8"                  | PJ-055                  | JJ-035             | 2.00                    | MT-334F  |
|                      | 5/8"                  | PJ-055                  | —                  | 2.25                    | MT-335   |
|                      | 3/4"                  | PJ-055                  | JJ-017             | 2.25                    | MT-335A  |
|                      | 5/8"                  | PJ-051                  | JJ-074             | 2.25                    | MT-336   |
|                      | 1 1/16"               | PJ-051                  | JJ-075             | 2.75                    | MT-336A  |
|                      | 1 3/16"               | PJ-051                  | JJ-077             | 2.75                    | MT-336B  |
|                      | 3/4"                  | PJ-051                  | JJ-073             | 2.75                    | MT-336C  |
|                      | 3/4"                  | PJ-055                  | —                  | 2.75                    | MT-336E  |
|                      | 1 3/16"               | PJ-055                  | JJ-019             | 2.75                    | CMT-336E |
|                      | 1 3/16"               | PJ-055                  | JJ-087             | 2.75                    | MT-337   |
|                      | 1 3/16"               | PJ-055                  | JJ-015             | 2.75                    | CMT-337  |
|                      | 3 1/32"               | PJ-051                  | JJ-078             | 4.00                    | MT-339   |
|                      | 9/16"                 | PJ-068                  | —                  | 1.95                    | MT-342B  |
|                      | 5/8"                  | PJ-068                  | —                  | 2.25                    | MT-344B  |

Packed 5 per standard package.



**INSULATION:** Type XXXP paper base Phenolic spacers (Type-PBE-P, per MIL-P-3115A). Paper base Phenolic tubing through stack.

# SWITCHCRAFT<sup>®</sup>

**GENERAL OFFICES AND PLANT**  
5555 N. ELSTON AVE.,  
CHICAGO, ILLINOIS 60630, U.S.A.  
AREA CODE 312 TEL.: 774-1515  
TWX: 312 265-1314



# "JACK PANELS"

## PHENOLIC AND ALUMINUM TYPES

Switchcraft offers a most complete line of black phenolic and aluminum jack panels for use in television and broadcasting stations, public address systems, communication equipment, and military message control centers.

**BLACK PHENOLIC PANELS**, reinforced with steel, supports Switchcraft "T-Jax" or "MT-Jax". Part numbers listed, cover most commonly used Jack circuits. Assemblies can be furnished with other circuits (see pages 1 and 3 for description of Jacks and other circuits available). "MT-Jax" are especially recommended for military applications and in low level audio applications.

Slotted mounting brackets for standard 19" relay racks. See drawing below for details. Furnished with designation strips and clear plastic covers.

**SERIES 1200** — Single Row Panel, 1 3/4" wide, for 24 Jacks. Spacing so that double plug cannot make cross connection between adjacent circuits.

**SERIES 1400** — Single Row Panel, 1 3/4" wide, for 26 jacks. Single designation strip. Brackets designed for flush panel mounting. Jacks spaced so standard double plug with 5/8" centers can be used.

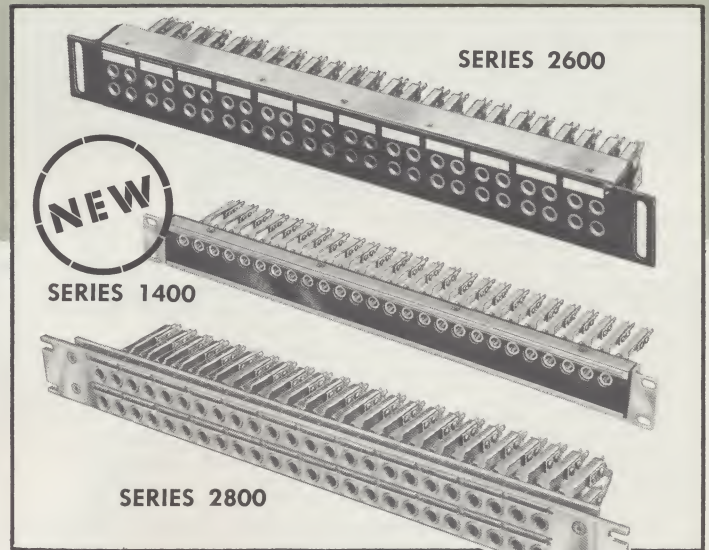
**SERIES 2400** — Double Row Panel, 2 1/8" wide, for 48 Jacks. Jacks space 5/8" to permit use of double plug; plug cannot make cross connection between adjacent circuits.

**SERIES 2600** — Double Row Panel, 1 3/4" wide, for 52 Jacks. Jacks spaced 5/8" centers. Considered equal to "telephone industry panel" referred to as No. 230A (includes designation strips).

**SERIES X1200, X2400 and X2600** — Panels identical to respective types above, but jacks are made up with "ground lug" offset (out of line with other spring terminals) to provide for easy "tying together" of ground terminals.

Where economy is most important factor, the "T-Jax" shown on Page 1 are suitable. In telephone circuits, or other "low level" applications, the "MT-Jax" listed on Page 3 are the recommended Series. We can furnish equivalents to most of the telephone manufacturers' standards.

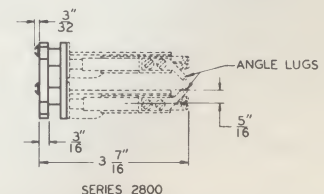
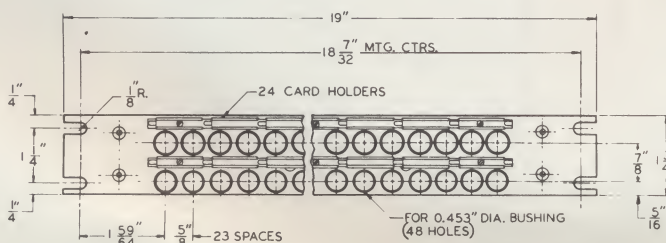
**SERIES 2800—ALUMINUM PANELS** — Clear anodized, sandwich-like frame design, yet the strength and lightweight of Aluminum. Double Row, mounts 24 Jacks per row (48 Jacks total per strip) on 5/8" centers. Includes a new narrow designation strip for each row, with a "stop" for each insert—not necessary to remove a long identification strip to make a change. Stock panel has angle (offset) ground lug on Jack to facilitate common wiring of ground; available special order with standard Jax. Weight approximately 25% less than phenolic panels. Special finishes of front panel available on production quantity orders.



| "JACK-PANELS"       |  |                         |  |
|---------------------|--|-------------------------|--|
| PART NO.            |  | U.S.A.<br>LIST<br>PRICE | DESCRIPTION  |
| Standard            | With Offset<br>ground<br>terminals<br>(X-Prefix) |                         |  |
| BLACK PHENOLIC TYPE |  |                         |  |
| 1200                |  | \$ 18.00                | Single Row Panel, less Jacks   |
| 1232A               | X1232A   | \$ 45.00                | Single Row, 12 pair closed circuit<br>T-332A "T-Jax"                   |
| 1332A               | X1332A   | \$ 55.00                | Single Row, 12 pair closed circuit<br>MT-332A "MT-Jax"                 |
| 1400                |  | \$ 20.00                | Single row panel, less jacks,<br>1 3/4" wide.                          |
| 1432A               | X1432A   | \$ 50.00                | Single row panel, 26 closed circuit<br>MT-332A, "MT-JAX". 1 3/4" wide. |
| 1532A               | X1532A   | \$ 62.00                | Single row panel, 26 closed circuit<br>MT-332A, "MT-JAX". 1 3/4" wide. |
| 2400                |  | \$ 20.00                | Double Row Panel, less Jacks.<br>2 1/8" wide (holds 48 Jacks).         |
| 2432A               | X2432A   | \$ 75.00                | Double Row, 24 pair closed circuit<br>T-332A "T-Jax". 2 1/8" wide.     |
| 2532A               | X2532A   | \$ 95.00                | Double Row, 24 pair closed circuit<br>MT-332A "MT-Jax". 2 1/8" wide.   |
| 2600                |  | \$ 25.00                | Double Row Panel, less Jacks.<br>1 3/4" wide (holds 52 Jacks).         |
| 2632A               | X2632A   | \$ 85.00                | Double Row with 52 No. T-332A<br>"T-Jax". 1 3/4" wide.                 |
| 2732A               | X2732A   | \$110.00                | Double Row with 52 No. MT-332A<br>"MT-Jax". 1 3/4" wide.               |
| ALUMINUM TYPE       |  |                         |  |
| 2800                |  | \$ 40.00                | Double Row Aluminum Panel,<br>less Jacks. 1 3/4" wide.                 |
| —                   | X2832A   | \$ 99.00                | Double Row Aluminum Panel<br>with 48 T-332A T-Jax.                     |
| —                   | X2932A   | \$115.00                | Double Row Aluminum Panel<br>with 48 MT-332A MT-Jax.                   |

Jack Panels packed 1 per standard package.

### ALUMINUM PANELS



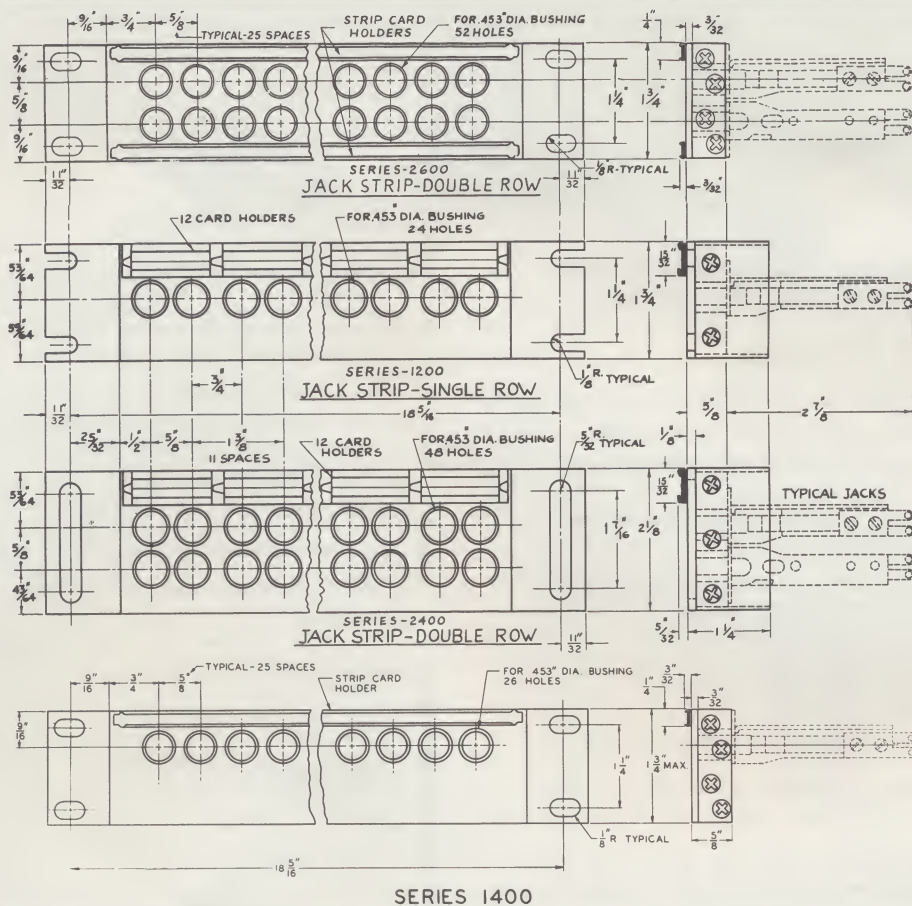
JACK STRIP—DOUBLE ROW

**SWITCHCRAFT**  
INC.

For the most complete line of military phone plugs and patch cords to mate with the and jack panels listed in this catalog, Catalogs P-201, 121.



## BLACK PHENOLIC JACK PANELS



## "DUMMY PLUGS"

Switchcraft's new Dummy Plugs are available from stock, in three different styles and in three different colors, Red, Black and White.

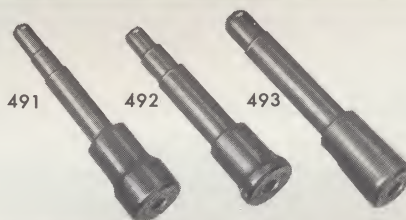
These dummy plugs are designed for use in switchboards and jack panels in applications such as: telephone installations, broadcast stations, instrumentation systems, railway communications and teletype installations.

The dummy plug, when inserted into a phone jack, accomplishes the same switching function as does a phone plug—however, a dummy plug cannot couple an incoming signal to an electronic system, or couple one electronic circuit to another. Dummy plugs can also be used to plug up unused phone jacks to prevent accidental insertion of an incorrect phone plug.

**SERIES 491**, 3-conductor dummy plugs of molded plastic, .207" diameter finger. Mates with 3-conductor phone jacks that have a .210" I.D. sleeve, such as "MT-JAX", MT-342B and MT-344B.

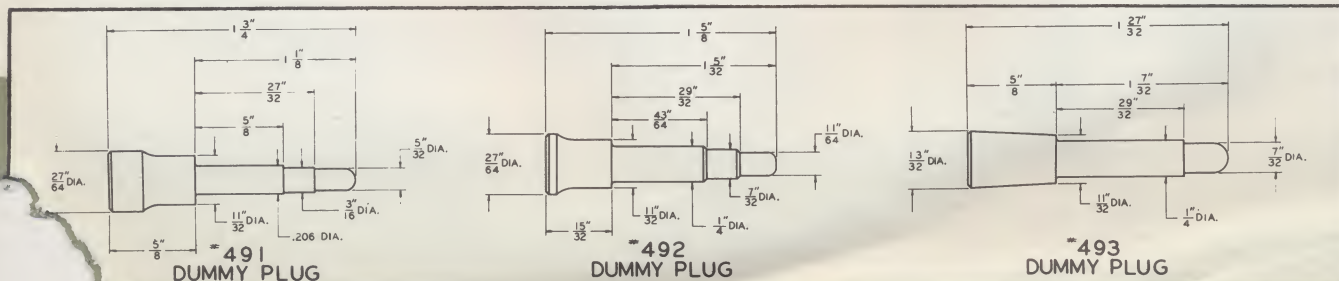
**SERIES 492**, 3-conductor dummy plugs of molded plastic, .250" diameter finger. Mates with 3-conductor phone jacks that have a standard 1/4" sleeve.

**SERIES 493**, 2-conductor dummy plugs of molded plastic, .250" diameter finger. Mates with 2-conductor phone jacks that have a standard 1/4" sleeve.



| PART NO. | U.S.A. LIST PRICE | DESCRIPTION  |
|----------|-------------------|--|
| 491-01   | \$ .50            | 3-cond., Red molded plastic.   |
| 491-02   | \$ .50            | 3-cond., Black molded plastic.   |
| 491-05   | \$ .50            | 3-cond., White molded plastic.   |
| 492-01   | \$ .50            | 3-cond., Red molded plastic. Interchangeable with WE-258D, Trimm 558D.   |
| 492-02   | \$ .50            | 3-cond., Black molded plastic. Interchangeable with WE-258C, Trimm 558C. |
| 492-05   | \$ .50            | 3-cond., White molded plastic. Interchangeable with WE-258E, Trimm 558E. |
| 493-01   | \$ .50            | 2-cond., Red molded plastic. Interchangeable with WE-165D, Trimm 556D.   |
| 493-02   | \$ .50            | 2-cond., Black molded plastic. Interchangeable with WE-165C, Trimm 556C. |
| 493-05   | \$ .50            | 2-cond., White molded plastic.   |

Standard Package 10



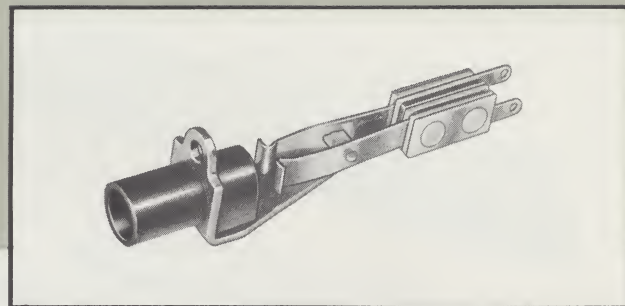


## SWITCHBOARD PANEL TYPE

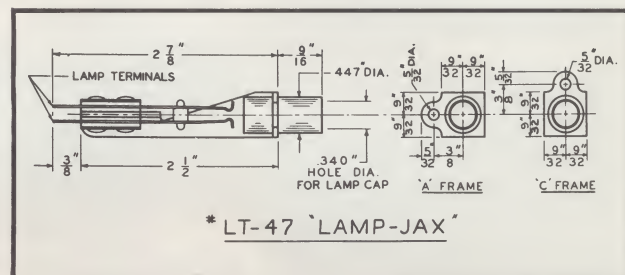
## DESIGN FEATURES

5. Ideal for mounting on regular Jack Panel, for example, Series 1200, 2400 or 2600; see Page 4.
6. Mounted singly. Choice of two frame designs, namely "A" and "C", detailed in drawing below. Part number referenced covers "A" frame; for same Jax with "C" frame, add prefix letter "C" to part number.
7. Accepts standard Switchboard Lamps.
8. Accepts standard Lamp Caps such as W.E. #2 and #72, etc.
9. Readily accessible solder lug terminals.

**INSULATION**—Paper base phenolic spacers with plastic tubes (hard rubber and phenolic used as an alternate) through the stack.



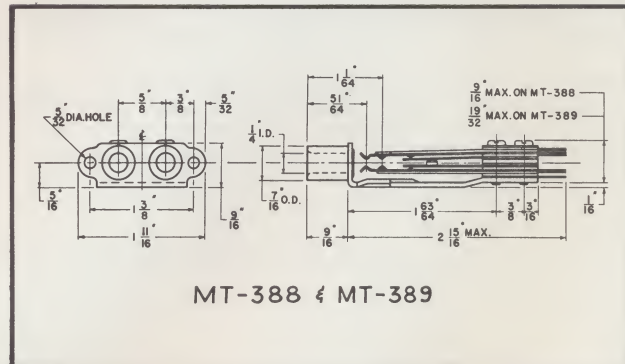
Packed 5 per standard package.



**MT-389** **MT-388**

Packed 5 per standard package.

| PART NO. | U.S.A. LIST PRICE | MIL TYPE NO. | ADJUSTED FOR PLUG   | SCHEMATIC CIRCUIT |
|----------|-------------------|--------------|---|-------------------|
| MT-388   | \$5.15            | JJ-088       | 411, 412, 420<br>(MIL TYPES<br>PJ-327 and<br>PJ-047)<br>(WE 289B and<br>347B) |                   |
| MT-389   | 5.65              | —            | 482 (MIL TYPE<br>PJ-051)<br>(WE 310)  |                   |



# SWITCHCRAFT<sup>®</sup>

For the most complete line of military phone  
plugs and patch cords to mate with the  
and jack panels listed in this catalog,  
Catalogs P-201, 121.



# "DUAL JACK BLOCKS"

SERIES 2300

Switchcraft's new Series 2300 Dual Jack Blocks offer an economical way to provide for a limited number of jack inputs with unusual design flexibility, versatility and multiple circuitry. Series 2300 blocks are now being used in broadcasting and recording studios, sound and public address equipment, commercial and industrial communication equipment.

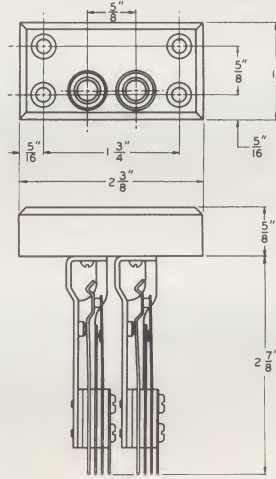
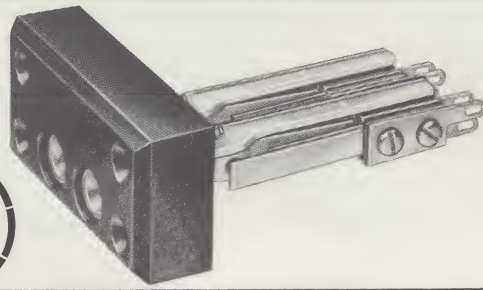
These new molded dual jack blocks can be used with Switchcraft "T-Jax" (see page 1, this catalog), and/or the "MT-Jax" (see page 3). Two of these long frame jacks can be mounted, on  $\frac{5}{8}$ " centers, on each block.

The Series 2300 Dual Jack Blocks can be panel mounted singularly or in multiples. The molded black phenolic blocks are only  $2\frac{3}{4}$ " long,  $1\frac{1}{4}$ " high, with four countersunk mounting holes for No. 8-32 flat head screws (not furnished with block).

Complete jack circuit coverage is available. Listed in the table shown below are the most commonly used Dual Jack Blocks with the "MT-Jax". For other circuits specify "T-Jax" or "MT-Jax" part numbers and respective location on the block.

| PART NO. | U.S.A. LIST PRICE | DESCRIPTION                                     |
|----------|-------------------|---|
| 2300     | \$1.50            | Black Phenolic Jack Block, less jacks.          |
| 2331     | \$4.50            | Jack Block, 2 open circuit MT-331, "MT-Jax".    |
| 2332A    | \$4.90            | Jack Block, 2 closed circuit MT-332A, "MT-Jax". |
| 2332B    | \$4.90            | Jack Block, 2 open circuit MT-332B, "MT-Jax".   |
| 2333     | \$5.40            | Jack Block, 2 open circuit MT-333, "MT-Jax".    |

Packed 1 per standard package



SERIES 2300

# "JACK PANEL ACCESSORIES"

Switchcraft now offers a Jack Panel Mounting Bracket Kit and a Hole Plug as "in-stock" accessories. Mounting Bracket Kit, Part No. K-107, consists of two long L-shaped stand-off brackets to hold jack panels 7" in front of mounting rack.

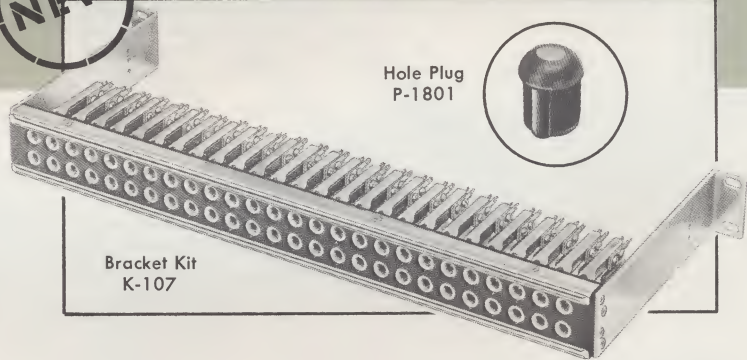
The Kit also includes eight #6-32 self-tapping screws for mounting the brackets to Switchcraft Jack Panels, such as Series 1400 and 2600. The brackets are manufactured of steel with iridescent iridite finish over cadmium plating. For over-all dimensions, see drawing.

Hole Plug, Part No. P-1801, is of molded plastic. Accommodates all Switchcraft Jack Panels, such as Series 1200, 1400, 2400, 2600 and 2800. The Switchcraft Hole Plug is designed to plug unused holes in jack panels.

| PART NO. | U.S.A. LIST PRICE | DESCRIPTION   |
|----------|-------------------|---|
| K-107    | \$4.50            | Kit of 2 "L" shaped 7" long brackets and 8 #6-32 screws. Brackets are steel, cadmium plated per QQ-P-416A Type II Class 2. Iridescent iridite over cadmium. |
| P-1801   | \$ .30            | Hole Plug of molded black plastic.  |

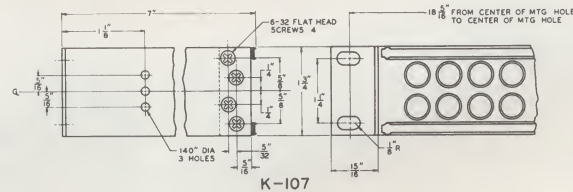
No. K-107 Bracket Kit is packed 1 per standard package.

No. P-1801 Hole Plug is packed 25 to a standard package.

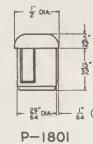


Bracket Kit  
K-107

Hole Plug  
P-1801



K-107



P-1801

# SWITCHCRAFT<sup>®</sup>

INC.

We reserve the right to change the prices, specifications and/or part numbers contained herein when circumstances make it necessary.

GENERAL OFFICES AND PLANT  
5555 N. ELSTON AVE.,  
CHICAGO, ILLINOIS 60630, U.S.A.  
AREA CODE 312 TEL.: 774-1515  
TWX: 312 265-1314

Printed in U.S.A.